

October 7, 1942

MINUTES OF THE MISSISSIPPI GEOLOGICAL SOCIETY

The first fall meeting of the Mississippi Geological Society was held at the Edwards Hotel October 7, 1942. The meeting was called to order by President McGlothlin with approximately twenty members present.

The minutes of the last meeting held before adjournment for summer, June 3, 1942, were read by Vice-President Harrell in the absence of Secretary-Treasurer Holston who had been transferred to Tulsa, Oklahoma. The minutes were approved.

Mr. C. L. Morgan, Chairman of the Program Committee, announced that on Saturday, October 17, a barbecue and dance would be held by the society at Mr. Tip Ray's lodge in Madison County. To this entertainment it was decided members of the oil fraternity generally in Jackson and vicinity would be invited.

Mr. Urban B. Hughes, Chairman of the Map Committee, discussed the progress of the new state geological map. He reported that further discussion of the project was necessary with Mr. D. J. Monroe, of the U. S. G. S., Mr. E. A. Murchison and Mr. Sam Houston, both of the Humble, and others. A general discussion of the surface work done by these gentlemen and Mr. Paul Fly followed. From this work it has been

revealed that contacts as shown on the old surface geological map of Mississippi, especially the Pascagoula-Hattiesburg contact, were based on a minimum of field work and are unreliable. The thought was presented that on the new map the Pascagoula-Hattiesburg section should be shown undifferentiated since a definite contact has not been found.

President McGlothlin asked for discussion concerning the number of monthly meetings which it was considered feasible and desirable to hold during the coming year. This subject was introduced by the president, having in mind that securing speakers would be somewhat difficult in view of the seriousness of the transportation situation, a result of which would be the necessity to call upon the local membership for papers and discussions. It was decided to discuss the matter further and vote on this question at a later meeting.

Vice-President Harrell, acting treasurer of the society, read a statement of finances for the period June 2 - October 7, 1942, reporting that the society as of that date had a cash balance of \$407.76.

An election of officers for the 1942-1943 term was held and the following members were elected:

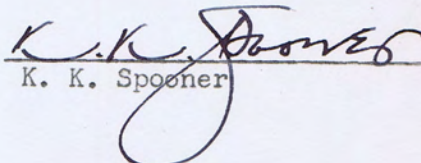
President - - - - - David C. Harrell  
Vice-President - - - - - L. R. McFarland  
Secretary-Treasurer - - - - K. K. Spooner



Retiring President McGlothlin expressed his appreciation for the cooperation and the interest shown by the members during his term of office.

The meeting adjourned at 9:45 P. M., following which eleven members paid their two dollars dues for the new year.

Following adjournment the members present were invited by President Harrell to the Edwards Coffee Shop for refreshments.

  
K. K. Spooner

Approved: 10-4-42

November 4, 1942

MINUTES OF THE MISSISSIPPI GEOLOGICAL SOCIETY

A dinner and business meeting was held at the Edwards Hotel, the business meeting being called to order by President Harrell at 8:15 P. M. with 28 present, including members of the engineering staff of the United Gas Company.

A paper from President Aurin, of the A. A. P. G., concerning the war effort was circulated among the members for their information.

President Harrell appointed the following committees:

PROGRAM COMMITTEE

Henry N. Toler, Chairman  
Donald M. Reese  
C. L. Morgan

NOMENCLATURE COMMITTEE

J. B. Storey, Chairman  
Gilbert Talley  
Maurice Miessee

MAP COMMITTEE

Urban B. Hughes, Chairman  
Dr. W. C. Morse  
Donald M. Reese  
Tom McGlothlin  
K. K. Spooner  
J. B. Wheeler

L. C. Dennis  
C. D. Stevenson  
~~D. J. Monroe~~  
J. B. Storey  
Fred Mellen  
Henry Toler

FIELD TRIP COMMITTEE

R. M. Harris, Chairman  
Grover Murray

TERTIARY COMMITTEE

Brame Womack, Chairman  
Grover Murray  
Joe B. Wheeler

EXECUTIVE COMMITTEE

D. C. Harrell, Pres.  
L. R. McFarland, Vice-Pres.  
K. K. Spooner, Sec.-Treas.  
Tom McGlothlin, Past Pres.

A. A. P. G. COMMITTEE

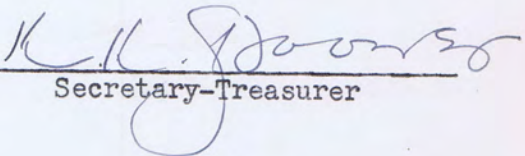
Tom McGlothlin  
E. A. Murchison  
D. J. Monroe

Mr. Sylvan Cromer, of the faculty of the Petroleum Engineering Department at Louisiana State University, presented a paper on the subject of Natural Gas Engineering.



Mr. Cromer's paper included in addition to a description of normal gas plant operations an exhaustive discussion of condensate extraction and recycling of high pressure gas reserves, a subject which has occupied a considerable portion of the petroleum engineer's attention during the past several years. This widespread attention directed to the development of a new technology based upon the behavior of hydrocarbon mixtures in the retrograde condensation pressure range has been brought about by the increasing discoveries of high pressure gas condensate reserves which fact made the subject of much interest to the members of the society as petroleum geologists.

The meeting adjourned at 9:45 P. M.

  
Secretary-Treasurer

Approved:

Nov. 18, 1947

November 18, 1942

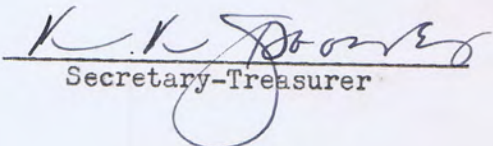
MINUTES OF THE MISSISSIPPI GEOLOGICAL SOCIETY

A regular meeting, called to order by Acting-President L. R. McFarland, was held by the Society at the Edwards Hotel at 8:00 P. M., Wednesday, November 18, 1942. Forty members and guests were present.

Dr. Kendall E. Born, Assistant State Geologist with the Tennessee Geological Survey, speaking also under the auspices of the DISTINGUISHED LECTURE COMMITTEE of the A. A. P. G. delivered a paper on The Pre-Cretaceous Rocks in the Northern Part of the Mississippi Embayment. Dr. Born's interesting paper included a detailed discussion of the structural features of the Mississippi Embayment and the areal distribution of the Paleozoic rocks in this area. A stereogram section through the wells from northern Kentucky through Western Tennessee and into northern Mississippi was the highlight in the group of slides which accompanied Dr. Born's paper.

As a supplement to his lecture, Dr. Born had brought with him a technicolor sound-film on the Mineral Resources of Tennessee. Unfortunately, the D. C. current would not permit the complete showing of the film in the A. C. projector loaned and operated by Dr. Amacker of the State Board of Adult Education.

The meeting adjourned at 10:00 P.M.

  
Secretary-Treasurer

Approved:

Dec. 2, 1942



December 2, 1942

MINUTES OF THE MISSISSIPPI GEOLOGICAL SOCIETY

A dinner meeting held by the Society on Wednesday, December 2, 1942, at the Edwards Hotel was called to order by President Harrell at 8:00 P. M. with thirty present.

Mr. Henry Toler, Chairman of the Program Committee, discussed the programs which have been arranged for the regular meetings of the society during the remainder of the 42-43 season. It appears that despite the current difficulty in securing speakers due to travel restrictions and other problems in connection with the war effort, the standard of the society's programs will be maintained throughout the year.

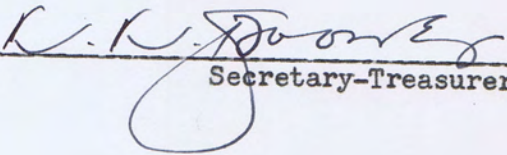
President Harrell announced that there is available a set of U. S. Coast & Geodetic Survey Bench Marks, which can be secured at a nominal cost.

President Harrell also announced that the A. A. P. G. has for sale at 50¢ per copy a "Report of a Conference on Sedimentation" conducted by the Research Committee of the A. A. P. G. The copies ordered at the preceding meeting have been received and are being distributed.

Mr. W. J. Gillingham, District Manager of Schlumberger Well Survey Corporation, delivered a paper on the S. P. Dipmeter which, after exhaustive research, is now offered as

an additional service to the oil industry for the purpose of determining the angle and direction of the dip of the strata traversed by a <sup>drill</sup> core hole. Mr. Gillingham's interesting discussion, supplemented by lantern slides, included a detailed description of the apparatus and method involved, as well as a discussion of results obtained in Gulf Coast salt-dome wells.

The meeting adjourned at 9:45 P. M.

  
Secretary-Treasurer

Approved:

1/6/43



January 6, 1943

MINUTES OF THE MISSISSIPPI GEOLOGICAL SOCIETY

A dinner meeting was held by the Society on Wednesday, January 6, at the Edwards Hotel. President Harrell called the meeting to order at eight-thirty P. M., with thirty-three present.

President Harrell discussed Mr. A. I. Levorsen's letter to the president of the Society concerning the annual report of developments in the region which will be prepared by the Society and published in the A. A. P. G.'s Bulletin.

The President also announced that a sub-committee composed of interested members of the Mississippi Geological Society had been requested to prepare material for the symposium "Survey of Oil Discovery Prospects in the United States" which will be presented at the 1943 A. A. P. G. meeting in Ft. Worth.

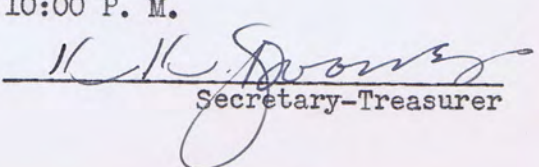
Mr. H. C. Petersen, geologist with the Freeport Sulphur Company, New Orleans, addressed the Society on Salt Dome Cap Rock and associated Sulphur Deposits.

Following the address, a thirty-minute sound film produced by the Freeport Sulphur Company, and depicting operations in connection with the production of sulphur, was presented by Mr. Petersen, assisted by Mr. Layton John.

The meeting adjourned at 10:00 P. M.

Approved:

Jan. 20, 1943

  
Secretary-Treasurer

January 20, 1943

MINUTES OF THE MISSISSIPPI GEOLOGICAL SOCIETY

A regular business meeting was held by the Society at the Edwards Hotel, Wednesday, January 20. The meeting was called to order by President Harrell at 7:30 with 26 present.

Mr. Toler, Chairman of the Program Committee, announced that following Dr. Kellum's address on February 5, Dr. Watson Monroe of the U. S. G. S. will address the society on the subject of Bauxite and the government's efforts toward developing new deposits of this mineral. Mr. Toler also announced that tentative arrangements for papers to be given at future meetings during the current year have been made, but these papers cannot be announced until a later date.

Mr. J. B. Storey, Chairman of the Nomenclature Committee, announced that the three most recently discovered shallow domes have been given the following names:

Halifax Dome	----	Twp. 7N-4W,	Hinds County
King's Dome	-----	" 17N-4E,	Warren County (also called Pidgeon Dome)
D'Lo Dome	-----	" 2N-4E,	Simpson County

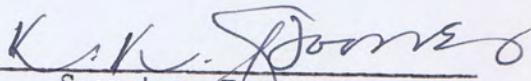
In the absence of Mr. Brame Womack, Chairman of the Miss. Geological Society Committee on Post-Cretaceous Bediments, Mr. Tom McGlothlin, a member of the A. A. P. G. Sub-Committee, announced that he was submitting to the members of the local committee a report on the results of his research. This report will be studied by the local committee members and will, with their own results, be reported on at a later date.



The Survey of Oil Discovery Prospects in the U. S., which will be presented at the A. A. P. G. meeting in Fort Worth, was discussed for the purpose of giving any interested members of the society an opportunity to assist in rating the Southeast United States on the three factors: (1) War Market (2) Depth (3) Chances of Successful Wildcatting.

Mr. J. R. Mayeaux, Division Manager of Baroid Well-Logging Service at Shreveport, presented an extremely interesting discussion of the methods and equipment used in the Baroid well-logging service. This service, which has been in the field only a few years, following extensive preliminary tests, offers a unique method of determining the presence or absence of oil, gas and salt water in the various formations.

Following the meeting, which adjourned at 10 P. M., Messrs. Joe B. Wheeler and Ray Stevens discussed with various members the formation of the Jackson Sample Cut, which has been organized to take over the operations of the Mississippi Sample Cut which has been so efficiently managed by these two gentlemen.

  
Secretary-Treasurer

Approved:

7-5-43

February 17, 1943

MINUTES OF THE MISSISSIPPI GEOLOGICAL SOCIETY

A dinner meeting was held by the Society on Friday, February 5. Only 22 were present to welcome Dr. Lewis B. Kellum, the guest speaker, a number of the members being absent in Natchez witnessing the Pure's testing operations, while illness accounted for the absence of several members. President Harrell called the meeting to order at 8:30 P. M.

Mr. Brame Womack, reporting as Chairman of the Post-Cretaceous Committee, announced that in view of his departure for Shreveport, a new chairman must therefore be appointed to succeed him.

President Harrell announced that he was calling a meeting of the Map Committee at his office Saturday morning, February 6, at 10:00 A. M.

He also announced that a Society dance for the near future had been proposed and would be discussed.

Dr. Lewis B. Kellum, Professor of Geology at the University of Michigan, and the second speaker of the year presented to the Society under the auspices of the Distinguished Lecture Committee of the A. A. P. G., compared the buried Coahuila Peninsula which jutted south from North America into the Mesozoic seas of Mexico with the Sabine Uplift, Central Kansas, and other buried features from which petroleum accumulation has been derived.

The meeting adjourned at 10:45 P. M.

Approved: 7-17-43

K. K. Spooner  
Secretary-Treasurer



March 3, 1943

MINUTES OF THE MISS. GEOLOGICAL SOCIETY

A regular business meeting of the society was called to order by President Harrell at 8:00 P. M., February 17. Approximately 20 members were present.

Mr. Urban B. Hughes, reporting as chairman of the Map Committee, suggested that all available material be turned over to him by noon, February 18, so that additional steps toward further completion of the map could be made.

President Harrell discussed interviewing the Sinclair's drafts lady with a view to securing her services in producing the new Mississippi Geological Map.

Mr. Watson Munroe advanced the information that a preliminary black and white would cost \$100.00, a final map in color \$500.00.

Mr. Henry Toler, Chairman of the Program Committee, announced that Mr. Millenken, of the Amerada Petroleum Company staff, would present a paper on Reservoir Behavior.

For the last meeting in April two speakers were offered by the Distinguished Lecture Committee of the A. A. P. G.:

- (1) Dr. Rich of Cincinnati University, whose subject would be "Problems of South American Geology Suggested by Aerial Traverse".

(2) Dr. Paul Krynine of Pennsylvania State College, whose subject would be "Diastrophism of Sedimentary Rocks".

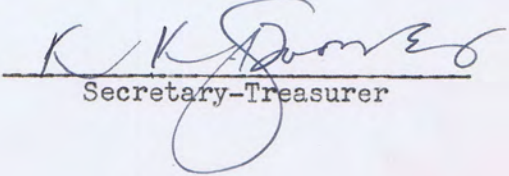
A vote of the members present indicated a decided preference for the subject to be discussed by Dr. Krynine, and it was, therefore, decided to invite Dr. Krynine to address the Society at the last meeting in April.

It was decided that no meeting would be held at the time of the A. A. P. G. Convention in Fort Worth, April 7-9.

Two new members, Messrs, J. Willis Hughes of the Atlantic Refining Company and R. E. Deputy of the The Texas Company, were admitted to the Society.

Mr. Watson Monroe, Geologist with the U. S. G. S. addressed the Society on the subject of Bauxite and the government's efforts toward discovering additional deposits of this rock which is so vital to the present war effort.

The meeting adjourned at 10:15 P. M.

  
Secretary-Treasurer

Approved:

3/3/43



March 10, 1943

MINUTES OF MISSISSIPPI GEOLOGICAL SOCIETY

A regular business meeting was held by the Society on Wednesday, March 3, the meeting being called to order by President Harrell at 8 P.M. with eighteen members present.

Mr. Henry Toler, Chairman of the Program Committee, announced that Dr. Ralph Imlay of the U. S. G. S. in Washington, would arrive in Jackson the week of <sup>March</sup> ~~February~~ 15 and would address the Society on his most recent studies of the Jurassic. It was, therefore, decided to move the regular meeting scheduled for March 17, up to March 10, in order to have the opportunity of hearing Dr. Imlay.

It was also decided to invite President Aurin of the A. A. P. G. to come to Jackson during the middle of March.

President Harrell then turned the meeting over to Mr. Tom McGlothlin who led a round-table discussion for the purpose of securing agreement on names and other information to be placed on the geological map of Mississippi.

The meeting was adjourned at 10:30 P. M.

Approved:

3-10-43

K. K. Gowen  
Secretary-Treasurer

April 16, 1943

MINUTES OF MISSISSIPPI GEOLOGICAL SOCIETY

The Society's regular business meeting scheduled for March 17th was moved up to March 10th in order to have the opportunity of hearing Dr. Ralph Imlay's discussion of his most recent studies of the Jurassic section. The meeting was called to order by President Harrell at 8 P.M. with twenty-four members present.

Grover Murray made a motion, which was seconded by Ed Cram, that the Society hold a dance in the near future. This motion was voted on and passed unanimously by the Society.

Henry Toler announced that a luncheon for Mr. F. L. Aurin, President of the A.A.P.G. would be given by the Society at noon March 16th at the Edwards Hotel.

Mr. Toler also announced that on Friday, April 16th Dr. John L. Rich, head of the Department of Geology, University of Cincinnati, Cincinnati, Ohio would address the Society on "Problems in South American Geology as Suggested by Aerial Traverse". Dr. Rich will visit Jackson on a lecture tour sponsored by the Distinguished Lecture Committee of the A.A.P.G.

The Distinguished Lecture Committee communicated with Mr. Henry Toler to the effect that he would be advised later concerning the possibility of Dr. Krynine's addressing the Society.

J. B. Storey, Chairman of the Nomenclature Committee reported that agreement on naming the various domes discovered



was now needed, and publication of these names would be made  
at a later date.

Messrs. Henry Toler and Tom McGlothlin were nominated  
for A.A.P.G. District business representatives for the biennial  
1943-44.

K. K. Spooner  
K. K. Spooner  
Secretary-Treasurer

Approved:

4-16-1943

May 4, 1943

MINUTES OF MISSISSIPPI GEOLOGICAL SOCIETY

A regular business meeting was held by the Society on Friday, April 16, 1943 with twenty five present. President Harrell called the meeting to order at 8:00 o'clock, and asked Mr. Dennis to report his impression of the 1943 A.A.P.G. Convention. Mr. Dennis responded with a most interesting account of the meetings he attended, especially developing the results of the Saturday meeting which was held for the purpose of organizing the American Geological Society as suggested by Dr. Carey Croneis, University of Chicago. Mr. Dennis was apparently in agreement with the purposes for which this new Geological Society has been organized, which is principally for the purpose of informing the public as to the nature and purposes of geological study.

The Nomenclature Committee had nothing new to report. The Map Committee also had nothing new to report, where-upon President Harrell suggested that this activity should be stimulated or the purpose for which it was formed would soon be lost sight of, and the movement would die.

Mr. Grover Murray reported that re-prints of Dr. Ralph W. Inlay's last Jurassic paper are available in a limited quantity. All those wanting a copy of this report were asked to let their desires be known to Mr. Murray.



Mr. Henry Toler, Chairman of the Program Committee, announced that Mr. C. V. Millikan, Chief Engineer of the Amerada Petroleum Corporation would address the Society on Wednesday, May 5th on Petroleum Reservoir Performance, and also announced that on Wednesday, May 19th, Mr. C. E. Mangold, Division Manager of Dowell Incorporated, Shreveport would be the guest speaker. This will be the last meeting of the 1942-43 season.

Dr. John L. Rich, head of the Department of Geology, University of Cincinnati, gave a superbly illustrated lecture on "Problems in South American Geology as Suggested by an Aerial Traverse" which he made three years ago during a six months Sabbatical leave from the University. During this trip Dr. Rich took over 900 photographs from the air, numerous slides of which were used during the lecture to illustrate the interesting problems suggested by his trip, which he discussed during the evening. During the course of his lecture, Dr. Rich discussed the cause of the unusual topography which makes Rio de Janeiro such a strikingly beautiful spot. He also pointed out some unexplained problems regarding younger geological features in southern Patagonia and on the pampas west of Buenos Aires. His photographs of the recently drowned <sup>and</sup> elevated areas, as the case might be, along the coast line of Brazil, was extremely interesting and instructive.

The fascinating geological problems of the Andean Mountain system were discussed by Dr. Rich. His flight above the major portion of this great back bone of South America and his interpretation of several interesting features were also presented.

Dr. Rich appeared in Jackson on a lecture tour of the affiliated societies of the A. A. P. G. under the sponsorship of the Distinguished Lecture Committee.

The meeting adjourned at 10:00 P.M.

K. K. Spooner  
K. K. Spooner  
Secretary-Treasurer

Approved:

5-5-43



May 19, 1943

MINUTES OF MISSISSIPPI GEOLOGICAL SOCIETY

A dinner meeting was held by the Society on Wednesday, May 5th. President Harrell called the meeting to order at 8:00 o'clock with 23 present.

President Harrell requested a meeting of the Map Committee at his office for the following day Thursday, May 6th.

Mr. Urban Hughes summarized the results of the business committee meeting at the A.A.P.G. Convention in Ft. Worth. One important development of this meeting was that it was decided that \$5,000.00 will be raised for the purpose of awarding a medal annually to a member of the A.A.P.G. who has contributed some outstanding work. This medal will be called the Sidney Powers Medal.

Henry Toler, Chairman of the Program Committee, announced that Mr. C. E. Mangold, District Manager of Dowell, Inc., Shreveport, Louisiana will discuss the General Problems of Acidizing, touching briefly on results at Tinsley. Other research problems in which Dowell, Inc. are engaged will also be discussed.

President Harrell again introduced the subject of the Society dance, and it was suggested that Grover Murray and Ed Cram, who had moved and seconded the motion that a dance be held, be appointed to assist the Program Chairman in making arrangements for such a dance. Tom McGlothlin suggested a square dance

at Battlefield Park or on the Roof, with every man making his own arrangements.

Mr. Dennis reported that he regreted that he had not mentioned Mr. Levorsen's paper on Discovery Thinking. The reason for omitting this was that he had understood that the subject would be discussed by other members who had attended the A.A.P.G. meeting in Ft. Worth. Mr. Dennis made a suggestion that henceforth all meetings which were addressed by prominent speakers should be preceded by a dinner. He also introduced the idea that he saw no reason why the Society meetings should be discontinued during the summer. President Harrell's reply to this suggestion was that in order to do this the by-laws should be amended at least two meetings before the last meeting of the current season.

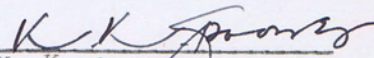
Mr. C. V. Millikan, Chief Engineer of the Amerada Petroleum Corporation, Tulsa, Oklahoma addressed the Society on the interesting subject of Reservoir Performance. This address was accompanied by illustrations showing several of the various types of reservoirs in the United States, particularly the East Texas field, in connection with which the Woodbine reservoir for this field was exhaustively discussed. The Oklahoma City field and the Sugarland field on the Texas Gulf Coast, Eola Field, and several other type reservoirs, including one in California were also discussed. It was believed by the Society that Mr. Millikan's



address was a most valued contribution to the 1942-43 season.

The discussion which followed the lecture included reservoir problems in connection with both Tinsley and the Pickens Field of Mississippi.

The meeting adjourned at 11:00 o'clock.

  
K. K. Spooner  
Secretary-Treasurer

Approved:

May 19, 1943

June 3, 1942

MINUTES MISSISSIPPI GEOLOGICAL SOCIETY

Twenty-one members were present at the meeting of the Mississippi Geological Society held at the Edwards Hotel. D. C. Harrell presided, due to the absence of the President, Tom McGlothlin.

Dr. H. N. Fiske of L. S. U. gave a paper on the Midway-Wilcox Deltaic Mass. His three main points were

1. Contemporaneous Age of Midway and Wilcox.
2. Midway-Wilcox laid down in two centers, one in southwestern Mississippi and the other in southeast Texas, with the Sabine Uplift between.
3. Wilcox delta much like Recent deltas.

He compared a delta with a pile of leaves. The area of thickest Wilcox in Mississippi and Louisiana is also an area of salt domes due to filling of sediments. Lithologic and faunal divisions have been made on the surface and can be carried over a large area. Dr. Fiske believes that the Wilcox can be subdivided into members in the subsurface.

The meeting adjourned at 9:50 P. M.

A. A. HOLSTON, Sec'y.-Treas.

By D. C. Harrell  
D. C. Harrell, Acting